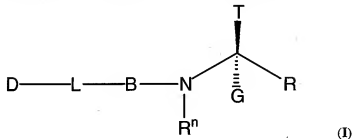


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

- 1) (currently amended) A compound represented by structural formula (I)



where

D is a mono-, bi-, or tricyclic saturated, unsaturated, or aromatic ring, each

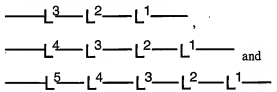
ring having 5-, 6- or 7 atoms in the ring where the atoms in the ring are carbon or from one to four heteroatoms selected from the group

nitrogen,

oxygen, and sulfur, where any carbon or sulfur ring atom may optionally be

oxidized, each ring substituted with 0-3 R^d;

L is a bivalent linking group selected from the group



where

L¹ is selected from oxo (-O-), S(O)_s, C(=O), CR¹R^{1'}, CR¹, het, NRⁿ and N,

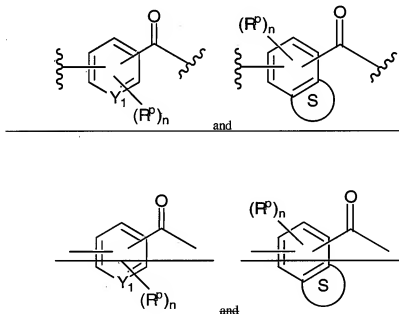
L² is selected from oxo (-O-), S(O)_s, C(=O), C(=N-O-R⁰), CR²R^{2'}, CR², het, NRⁿ and N,

L³ is selected from oxo (-O-), S(O)_s, C(=O), C(=N-O-R⁰), CR³R^{3'}, CR³, het, NRⁿ and N,

L⁴ is absent or is selected from oxo (-O-), S(O)_s, C(=O), C(=N-O-R⁰), CR⁴R^{4'}, CR⁴, NRⁿ and N, and

L⁵ is absent or is selected from oxo (-O-), S(O)_s, C(=O), CR⁵R^{5'}, CR⁵, NRⁿ and N, provided that only one of L¹ -

L^3 may be het and that when one of $L^1 - L^3$ is het the other $L^1 - L^5$ may be absent, where $R^1, R^{1'}, R^2, R^{2'}, R^3, R^{3'}, R^4, R^{4'}, R^5$ and $R^{5'}$ each are independently selected from R^a, R^c and U-Q-V-W, optionally, R^2 and $R^{2'}$ separately or together may form a saturated, unsaturated or aromatic fused ring with B through a substituent R^b on B, the fused ring containing 5, 6 or 7 atoms in the ring and optionally containing 1-3 heteroatoms selected from the group O, S and N, where any S or N may optionally be oxidized; optionally, R^3 and $R^{3'}$ separately or together and R^4 and $R^{4'}$ separately or together may form a saturated, unsaturated or aromatic fused ring with D through a substituent R^d on D, the fused ring containing 5, 6 or 7 atoms in the ring and optionally containing 1-3 heteroatoms selected from the group O, S and N, where any S or N may optionally be oxidized; also optionally, each $R^1 - R^{5'}$, NR^n or N in $L^1 - L^5$ together with any other $R^1 - R^{5'}$, NR^n or N in $L^1 - L^5$ may form a 5, 6 or 7 member homo- or heterocycle either saturated, unsaturated or aromatic optionally containing 1-3 additional heteroatoms selected from N, O and S, where any carbon or sulfur ring atom may optionally be oxidized, each cycle substituted with 0-3 R^d ; and where s is 0-2; B is selected from the group



where



is a fused hetero- or homocyclic ring containing 5, 6 or 7 atoms, the ring being unsaturated, partially saturated or aromatic, the heteroatoms selected from 1-3 O, S and N,

Y_1 is selected from CH and NR^n ;

n is 0-3;

G is selected from hydrogen and C_1-C_6 alkyl, optionally G taken together with T may form a C_3-C_6 cycloalkyl optionally substituted with -V-W;

T is selected from the group

a naturally occurring α -amino-acid side chain,
and U-Q-V-W;

U is an optionally substituted bivalent radical selected from the group

C_1-C_6 alkyl,

C_0-C_6 alkyl-Q,

C_2-C_6 alkenyl-Q, and

C_2-C_6 alkynyl-Q;

where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a ;

Q is absent or is selected from the group

-O-,

-S(O)_s-,

-SO₂-N(R^n)-,

-N(R^n)-,

-N(R^n)-C(=O)-,

-N(R^n)-C(=O)-N(R^n)-,

-N(R^n)-C(=O)-O-,

-N(R^n)-SO₂-,

-C(=O)-,

-C(=O)-O-,

-het-,

-C(=O)-N(R^n)-,

-O-C(=O)-N(R^n)-,

-PO(OR^c)O- and

-P(O)O-;

where

s is 0-2 and

het is a mono- or bicyclic 5, 6, 7, 9 or 10 member heterocyclic ring, each ring containing 1-4 heteroatoms selected from N, O and S, where the heterocyclic ring may be saturated, partially saturated, or aromatic and any N or S being

optionally oxidized, the heterocyclic ring being substituted with 0-3 R^h;

V is absent or is an optionally substituted bivalent group selected from

C₁-C₆ alkyl,

C₃-C₈ cycloalkyl,

C₀-C₆ alkyl-C₆-C₁₀ aryl, and

C₀-C₆ alky-het;

where the substituents on any alkyl are 1-3 R^a and the substituents on any aryl or het are 1-3 R^d;

W is selected from the group

hydrogen,

OR^o,

SR^m,

NRⁿR^{n'},

NH-C(=O)-O-R^c,

NH-C(=O)-NRⁿR^{n'},

NH-C(=O)-R^c,

NH-SO₂-R^s,

NH-SO₂-NRⁿR^{n'},

NH-SO₂-NH-C(=O)-R^c,

NH-C(=O)-NH-SO₂-R^s,

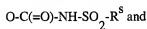
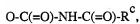
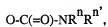
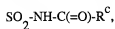
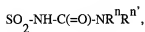
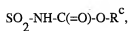
C(=O)-NH-C(=O)-O-R^c,

C(=O)-NH-C(=O)-R^c,

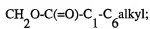
C(=O)-NH-C(=O)-NRⁿR^{n'},

C(=O)-NH-SO₂-R^s,

C(=O)-NH-SO₂-NRⁿR^{n'},



R is selected from



R^a is $\text{R}^{a'}$ or $\text{R}^{a''}$ substituted with 1-3 R^a ; where

$\text{R}^{a'}$ is selected from the group

hydrogen,

halo(F, Cl, Br, I),

cyano,

isocyanate,

carboxy,

carboxy- $\text{C}_1\text{-C}_{11}$ alkyl,

amino,

amino- $\text{C}_1\text{-C}_8$ alkyl,

aminocarbonyl,
 carboxamido,
 carbamoyl,
 carbamoyloxy,
 formyl,
 formyloxy,
 azido,
 nitro,
 imidazolyl,
 ureido,
 thioureido,
 thiocyanato,
 hydroxy,
 C_1-C_6 alkoxy,
 mercapto,
 sulfonamido,
 het,
 phenoxy,
 phenyl,
 benzamido,
 tosyl,
 morpholino,
 morpholinyl,
 piperazinyll,
 piperidinyl,
 pyrrolinyl.
 imidazolyl and
 indolyl;

$R^{a''}$ is selected from the group

C_0-C_{10} alkyl-Q- C_0-C_6 alkyl,
 C_0-C_{10} alkenyl-Q- C_0-C_6 alkyl,
 C_0-C_{10} alkynyl-Q- C_0-C_6 alkyl,
 C_3-C_{11} cycloalkyl-Q- C_0-C_6 alkyl,
 C_3-C_{10} cycloalkenyl-Q- C_0-C_6 alkyl,

C_1-C_6 alkyl- C_6-C_{12} aryl-Q- C_0-C_6 alkyl,
 C_6-C_{10} aryl- C_1-C_6 alkyl-Q- C_0-C_6 alkyl,
 C_0-C_6 alkyl-het-Q- C_0-C_6 alkyl,
 C_0-C_6 alkyl-Q-het- C_0-C_6 alkyl,
 het- C_0-C_6 alkyl-Q- C_0-C_6 alkyl,
 C_0-C_6 alkyl-Q- C_6-C_{12} aryl and
 $-Q-C_1-C_6$ alkyl;

R^C is selected from hydrogen and substituted or unsubstituted

C_1-C_{10} alkyl,
 C_2-C_{10} alkenyl,
 C_2-C_{10} alkynyl,
 C_3-C_{11} cycloalkyl,
 C_3-C_{10} cycloalkenyl,
 C_1-C_6 alkyl- C_6-C_{12} aryl,
 C_6-C_{10} aryl- C_1-C_6 alkyl,
 C_1-C_6 alkyl-het,
 het- C_1-C_6 alkyl,
 C_6-C_{12} aryl and
 het,

where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl or

het are 1-3 R^d ;

R^d is selected from R^p and R^h ;

R^h is selected from the group

OH,
 OCF_3 ,
 OR^c ,
 SR^m ,
 halo(F, Cl, Br, I),

CN,

isocyanate,

NO₂,

CF₃,

C₀-C₆alkyl-NRⁿR^{n'},

C₀-C₆alkyl-C(=O)-NRⁿR^{n'},

C₀-C₆alkyl-C(=O)-R^a,

C₁-C₈alkyl,

C₁-C₈alkoxy,

C₂-C₈alkenyl,

C₂-C₈alkynyl,

C₃-C₆cycloalkyl,

C₃-C₆cycloalkenyl,

C₁-C₆alkyl-phenyl,

phenyl-C₁-C₆alkyl,

C₁-C₆alkyloxycarbonyl,

phenyl-C₀-C₆alkyloxy,

C₁-C₆alkyl-het,

het-C₁-C₆alkyl,

SO₂-het,

-O-C₆-C₁₂aryl,

-SO₂-C₆-C₁₂aryl,

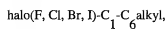
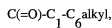
-SO₂-C₁-C₆alkyl and

het,

where any alkyl, alkenyl or alkynyl may optionally be substituted with 1-3 groups selected from OH, halo(F, Cl, Br, I), nitro, amino and aminocarbonyl and the substituents on any aryl or het are 1-2 hydroxy, halo(F, Cl, Br, I), CF₃,

C₁-C₆alkyl, C₁-C₆alkoxy, nitro and amino;

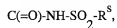
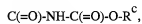
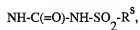
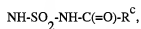
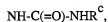
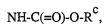
R^m is selected from

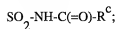
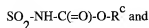
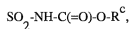


benzyl and

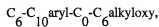
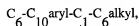
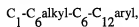
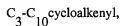
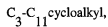
phenyl;

R^n is selected from the group

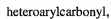
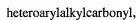
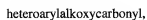
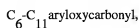
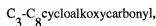
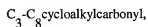
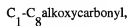
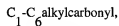




R^n is selected from hydrogen, hydroxy and substituted or unsubstituted



het,



heteroarylsulfonyl,
C₁₋₆-alkylsulfonyl and
C₆₋₁₀-arylsulfonyl,

where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl, het or heteroaryl are 1-3 R^d;

Rⁿ and R^{n'} taken together with the common nitrogen to which they are attached may form an optionally substituted heterocycle selected from

morpholinyl,
piperazinyl,
thiamorpholinyl,
pyrrolidinyl,
imidazolidinyl,
indolinyl,
isoindolinyl,
1,2,3,4-tetrahydro-quinolinyl,
1,2,3,4-tetrahydro-isoquinolinyl,
thiazolidinyl and
azabicyclononyl,

where the substituents are 1-3 R^a;

R^o is selected from hydrogen and substituted or unsubstituted

C₁₋₆-alkyl,
C₁₋₆-alkylcarbonyl,
C₂₋₆-alkenyl,
C₂₋₆-alkynyl,
C₃₋₈-cycloalkyl and
benzoyl,

where the substituents on any alkyl are 1-3 R^a and the substituents on any aryl are 1-3 R^P;

R^P is selected from the group

OH,
halo(F, Cl, Br, I),
CN,
isocyanate,

OR^c ,
 SR^m ,
 SOR^c ,
 NO_2 ,
 CF_3 ,
 R^c ,
 $NR^nR^{n'}$,
 $NR^nC(=O)-O-R^c$,
 $NR^nC(=O)-R^c$,
 $C_0-C_6\text{alkyl-SO}_2-R^c$,
 $C_0-C_6\text{alkyl-SO}_2-NR^nR^{n'}$,
 $C(=O)-R^c$,
 $O-C(=O)-R^c$,
 $C(=O)-O-R^c$ and
 $C(=O)-NR^nR^{n'}$,

where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl or het are 1-3 R^d ;

R^s is a substituted or unsubstituted group selected from

C_1-C_8 alkyl,
 C_2-C_8 alkenyl,
 C_2-C_8 alkynyl,
 C_3-C_8 cycloalkyl,
 C_3-C_6 cycloalkenyl,
 C_0-C_6 alkyl-phenyl,
 phenyl- C_0-C_6 alkyl,
 C_0-C_6 alkyl-het and
 het- C_0-C_6 alkyl,

where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl or het are 1-3 R^d ;

R^Z is a substituted or unsubstituted group selected from

hydroxy,

C_1-C_{11} alkoxy,

C_3-C_{12} cycloalkoxy,

C_8-C_{12} aralkoxy,

C_8-C_{12} aracycloalkoxy,

C_6-C_{10} aryloxy,

C_3-C_{10} alkylcarbonyloxyalkyloxy,

C_3-C_{10} alkoxycarbonyloxyalkyloxy,

C_3-C_{10} alkoxycarbonylalkyloxy,

C_5-C_{10} cycloalkylcarbonyloxyalkyloxy,

C_5-C_{10} cycloalkoxycarbonyloxyalkyloxy,

C_5-C_{10} cycloalkoxycarbonylalkyloxy,

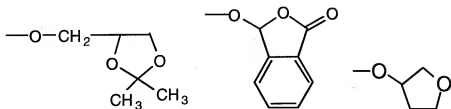
C_8-C_{12} aryloxycarbonylalkyloxy,

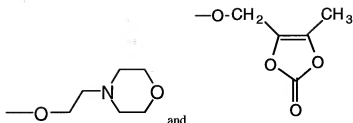
C_8-C_{12} aryloxycarbonyloxyalkyloxy,

C_8-C_{12} arylcarbonyloxyalkyloxy,

C_5-C_{10} alkoxyalkylcarbonyloxyalkyloxy,

$(R^n)(R^{n'})N(C_1-C_{10} \text{ alkoxy})-$,

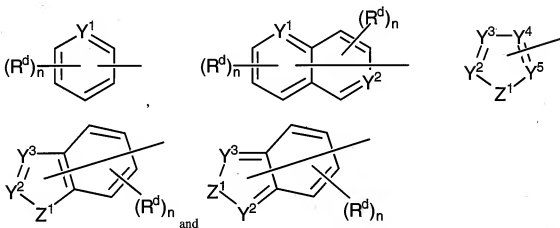




where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl or het are 1-3 R^d and pharmaceutically acceptable salts thereof.

2) (original) The compound of Claim 1 wherein

D is an aromatic homocycle or aromatic heterocycle containing 1-3 heteroatoms selected from the group N, S and O, the homo- or heterocycles selected from the group



where

Y^1, Y^2, Y^3, Y^4 and Y^5 are selected from the group CH, CR^d and N,

Z^1 is selected from the group O, S, N and NR^n ,

n is 0-3,

R^d is selected from the group

OH, OCF_3 , OR^c , SR^m , halo(F, Cl, Br, I), CN, isocyanate, NO_2 , CF_3 , C_0-C_6 alkyl- $NR^nR^{n'}$, C_0-C_6 alkyl- $C(=O)-NR^nR^{n'}$, C_0-C_6 alkyl- $C(=O)-R^a$, C_1-C_8 alkyl, C_1-C_8 alkoxy, C_2-C_8 alkenyl, C_2-C_8 alkynyl, C_3-C_6 cycloalkyl, C_3-C_6 cycloalkenyl, C_1-C_6 alkyl-phenyl, phenyl- C_1-C_6 alkyl, C_1-C_6 alkyloxycarbonyl, phenyl- C_0-C_6 alkyloxy, C_1-C_6 alkyl-het, het- C_1-C_6 alkyl, SO_2 -het, $-O-C_6-C_{12}$ aryl, $-SO_2-C_6-C_{12}$ aryl, -

SO₂-C₁-C₆ alkyl and het, where any alkyl, alkenyl or alkynyl may optionally be substituted with 1-3 groups selected from OH, halo(F, Cl, Br, I), nitro, amino and aminocarbonyl and the substituents on any aryl or het are 1-2 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆ alkyl, C₁-C₆ alkoxy, nitro and amino;

R^a is R^{a'} or R^{a''} substituted with 1-3 R^{a'}; where

R^{a'} is selected from the group

hydrogen, halo(F, Cl, Br, I), cyano, isocyanate, carboxy, carboxy-C₁-C₁₁ alkyl, amino, amino-C₁-C₈ alkyl, aminocarbonyl, carboxamido, carbamoyl, carbamoyloxy, formyl, formyloxy, azido, nitro, imidazolyl, ureido, thioureido, thiocyanato, hydroxy, C₁-C₆ alkoxy, mercapto, sulfonamido, het, phenoxy, phenyl, benzamido, tosyl, morpholino, morpholinyl, piperazinyl, piperidinyl, pyrrolinyl, imidazolyl and indolyl;

R^{a''} is selected from the group

C₀-C₁₀ alkyl-Q-C₀-C₆ alkyl, C₀-C₁₀ alkenyl-Q-C₀-C₆ alkyl, C₀-C₁₀ alkynyl-Q-C₀-C₆ alkyl, C₃-C₁₁ cycloalkyl-Q-C₀-C₆ alkyl, C₃-C₁₀ cycloalkenyl-Q-C₀-C₆ alkyl, C₁-C₆ alkyl-C₆-C₁₂ aryl-Q-C₀-C₆ alkyl, C₆-C₁₀ aryl-C₁-C₆ alkyl-Q-C₀-C₆ alkyl, C₀-C₆ alkyl-het-Q-C₀-C₆ alkyl, C₀-C₆ alkyl-Q-het-C₀-C₆ alkyl, het-C₀-C₆ alkyl-Q-C₀-C₆ alkyl, C₀-C₆ alkyl-Q-C₆-C₁₂ aryl and -Q-C₁-C₆ alky;

Q is absent or is selected from the group

-O-, -S(O)_s-, -SO₂-N(Rⁿ)-, -N(Rⁿ)-SO₂-, -N(Rⁿ)-C(=O)-, -C(=O)-N(Rⁿ)-, -N(Rⁿ)-C(=O)-O-, -O-C(=O)-N(Rⁿ)-, -N(Rⁿ)-C(=O)-N(Rⁿ)-, -C(=O)-, -N(Rⁿ)-, -C(=O)-O-, -O-C(=O)-, -het-, -PO(OR^C)O- and -P(O)O-, where s is 0-2; het is a mono- or bicyclic 5, 6, 7, 9 or 10 member heterocyclic ring, each ring containing 1-4 heteroatoms selected from N, O and S, where the heterocyclic ring may be saturated, partially saturated, or aromatic and any N or S being optionally oxidized, the heterocyclic ring being substituted with 0-3 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆ alkyl, C₁-C₆ alkoxy, nitro and amino;

R^C is selected from hydrogen and substituted or unsubstituted

C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, C₃-C₁₁ cycloalkyl, C₃-C₁₀ cycloalkenyl, C₁-C₆ alkyl-C₆-C₁₂ aryl, C₆-C₁₀ aryl-C₁-C₆ alkyl, C₁-C₆ alkyl-het, het-C₁-C₆ alkyl, C₆-C₁₂ aryl and het, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆ alkyl, C₁-C₆ alkoxy, nitro and amino;

R^m is selected from

S-C₁-C₆ alkyl, C(=O)-C₁-C₆ alkyl, C(=O)-NRⁿR^{n'}, C₁-C₆ alkyl, halo(F, Cl, Br, I)-C₁-C₆ alkyl, benzyl and phenyl;

R^n is selected from the group

R^C , $NH-C(=O)-O-R^C$, $NH-C(=O)-R^C$, $NH-C(=O)-NHR^C$, $NH-SO_2-R^S$, $NH-SO_2-NH-C(=O)-R^C$, $NH-C(=O)-NH-SO_2-R^S$, $C(=O)-O-R^C$, $C(=O)-R^C$, $C(=O)-NHR^C$, $C(=O)-NH-C(=O)-O-R^C$, $C(=O)-NH-C(=O)-R^C$, $C(=O)-NH-SO_2-R^S$, $C(=O)-NH-SO_2-NHR^S$, SO_2-R^S , SO_2-O-R^S , $SO_2-N(R^C)_2$, $SO_2-NH-C(=O)-O-R^C$, $SO_2-NH-C(=O)-O-R^C$ and $SO_2-NH-C(=O)-R^C$;

$R^{n'}$ is selected from hydrogen, hydroxy and substituted or unsubstituted

C_1-C_{11} alkyl, C_1-C_{11} alkoxy, C_2-C_{10} alkenyl, C_2-C_{10} alkynyl, C_3-C_{11} cycloalkyl, C_3-C_{10} cycloalkenyl, C_1-C_6 alkyl- C_6-C_{12} aryl, C_6-C_{10} aryl- C_1-C_6 alkyl, C_6-C_{10} aryl- C_0-C_6 alkoxy, C_1-C_6 alkyl-het, het- C_1-C_6 alkyl, C_6-C_{12} aryl, het, C_1-C_6 alkylcarbonyl, C_1-C_8 alkoxy carbonyl, C_3-C_8 cycloalkylcarbonyl, C_3-C_8 cycloalkoxy carbonyl, C_6-C_{11} aryloxy carbonyl, C_7-C_{11} arylalkoxy carbonyl, heteroarylalkoxy carbonyl, heteroarylalkylcarbonyl, heteroarylcarbonyl, heteroarylalkylsulfonyl, heteroarylsulfonyl, C_1-C_6 alkylsulfonyl and C_6-C_{10} arylsulfonyl, where any alkyl, alkenyl or alkynyl may optionally be substituted with 1-3 groups selected from OH, halo(F, Cl, Br, I), nitro, amino and aminocarbonyl and the substituents on any aryl, heteroaryl or het are 1-2 hydroxy, halo(F, Cl, Br, I), CF_3 , C_1-C_6 alkyl, C_1-C_6 alkoxy, nitro and amino;

R^n and $R^{n'}$ taken together with the common nitrogen to which they are attached may form an optionally substituted heterocycle selected from morpholinyl, piperazinyl, thiamorpholinyl, pyrrolidinyl, imidazolidinyl, indolinyl, isoindolinyl, 1,2,3,4-tetrahydro-quinolinyl, 1,2,3,4-tetrahydro-isoquinolinyl, thiazolidinyl and azabicyclononyl, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF_3 , C_1-C_6 alkyl, C_1-C_6 alkoxy, nitro and amino;

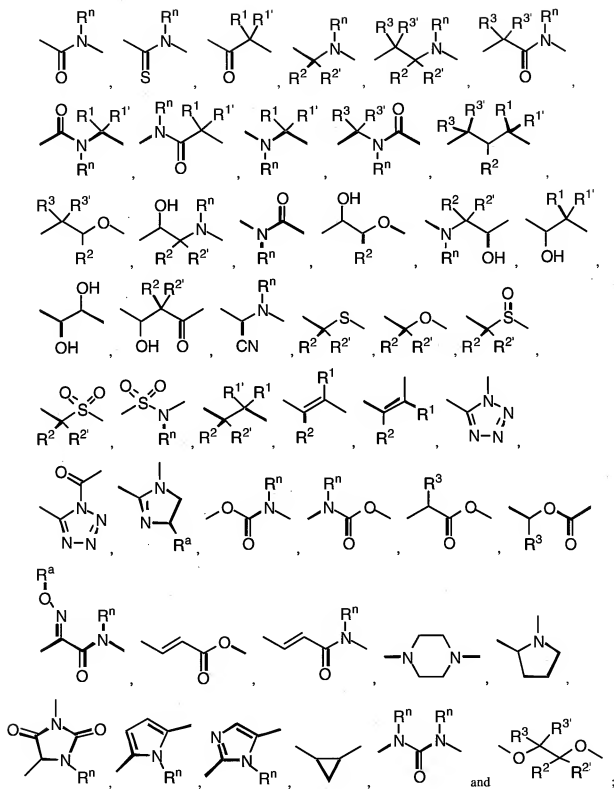
R^S is a substituted or unsubstituted group selected from

C_1-C_8 alkyl, C_2-C_8 alkenyl, C_2-C_8 alkynyl, C_3-C_8 cycloalkyl, C_3-C_6 cycloalkenyl, C_0-C_6 alkyl-phenyl, phenyl- C_0-C_6 alkyl, C_0-C_6 alkyl-het and het- C_0-C_6 alkyl, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF_3 , C_1-C_6 alkyl, C_1-C_6 alkoxy, nitro and amino;

L is selected from the group

$-(CR^{6'}R^{6'})_O-Ai-(CR^{8'}R^{8'})_P-$, $-(CR^{6'}R^{6'})_O-het-(CR^{8'}R^{8'})_P-$, $-(CR^{6'}=CR^7)_q-Ai-(CR^{8'}R^{8'})_P-$ and $-(CR^{6'}R^{6'})_O-Ai-(CR^{8'}=CR^9)_r-$;

where Ai is selected from



$R^1, R^{1'}, R^2, R^{2'}, R^3, R^{3'}, R^6, R^{6'}, R^7, R^8, R^{8'}$ and R^9 each are independently selected from R^a, R^c and U-W;

U is an optionally substituted bivalent radical selected from the group

C_1-C_6 alkyl-, C_0-C_6 alkyl-Q-, C_2-C_6 alkenyl-Q-, and C_2-C_6 alkynyl-Q-, where the substituents on any alkyl,

alkenyl or alkynyl are 1-3 R^A ;

W is selected from the group

hydrogen, OH, $O-C_1-C_6$ alkyl, SH, SR^m , $NR^nR^{n'}$, $NH-C(=O)-O-R^C$, $NH-C(=O)-NR^nR^{n'}$, $NH-C(=O)-R^C$, $NH-SO_2-R^S$, $NH-SO_2-NR^nR^{n'}$, $NH-SO_2-NH-C(=O)-R^C$, $NH-C(=O)-NH-SO_2-R^S$, $C(=O)-NH-C(=O)-O-R^C$, $C(=O)-NH-C(=O)-R^C$, $C(=O)-NH-C(=O)-NR^nR^{n'}$, $C(=O)-NH-SO_2-R^S$, $C(=O)-NH-SO_2-NR^nR^{n'}$, $C(=S)-NR^nR^{n'}$, SO_2-R^S , SO_2-O-R^S , $SO_2-NR^nR^{n'}$, $SO_2-NH-C(=O)-O-R^C$, $SO_2-NH-C(=O)-NR^nR^{n'}$, $SO_2-NH-C(=O)-R^C$, $O-C(=O)-NR^nR^{n'}$, $O-C(=O)-R^C$, $O-C(=O)-NH-C(=O)-R^C$, $O-C(=O)-NH-SO_2-R^S$ and $O-SO_2-R^S$;

G is hydrogen;

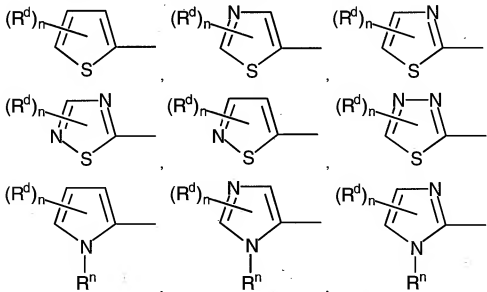
T is U-W;

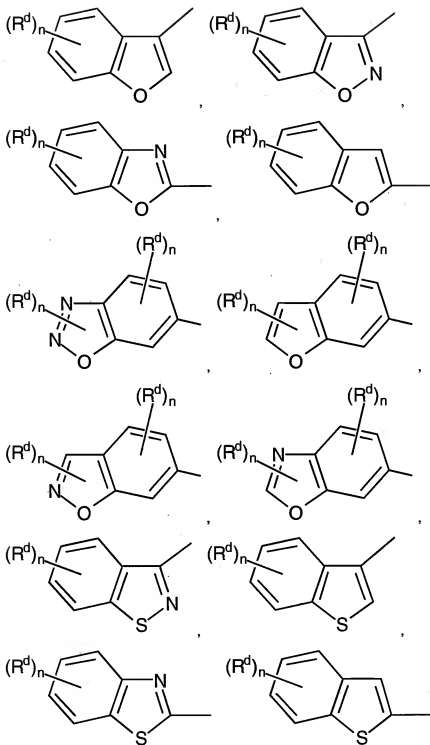
R is $C(=O)-OH$ and

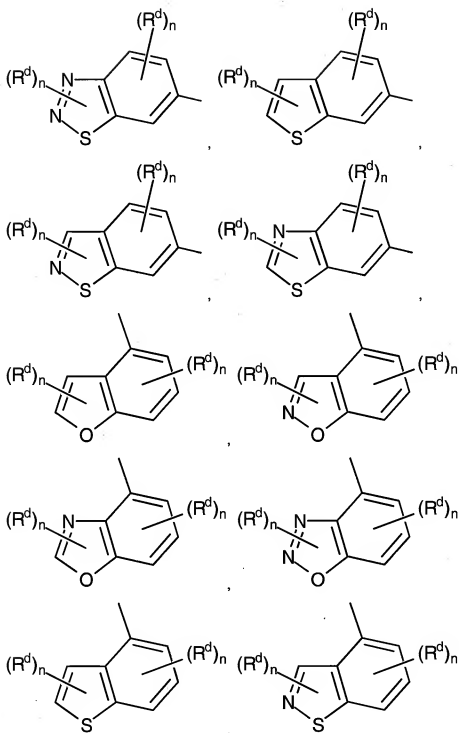
pharmaceutically acceptable salts thereof.

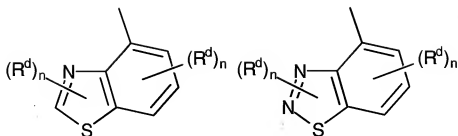
3) (original) The compound of Claim 2 wherein D is selected from

1) a 5-member aromatic heterocycle selected from the group

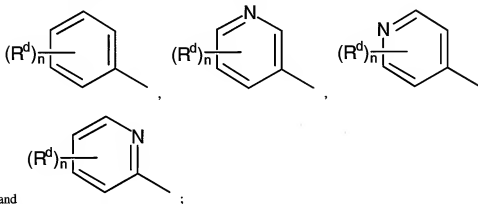








3) a 6-member aromatic hetero- or homocycle selected from the group



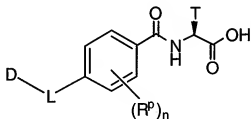
and

L is a bivalent linking group selected from the group

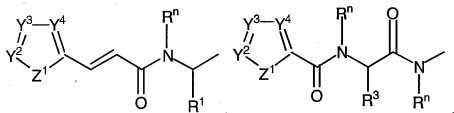
- C₃-C₅-alkyl-,
- C₃-C₅-alkenyl-,
- CH₂C(=O)NH-,
- CH₂NH-C(=O)-,
- O-CH₂-C(=O)-,
- CH₂-CH₂-C(=O)-,
- CH=CH-C(=O)NH-CH₂-,
- CH=CH-C(=O)NH-CH(CH₃)-,
- CH(OH)-CH₂-O-,
- CH(OH)-CH₂-CH₂-,
- CH₂-CH₂-CH(OH)-,
- O-CH₂-CH(OH)-,
- O-CH₂-CH(OH)-CH₂-,
- O-CH₂-CH₂-CH(OH)-,

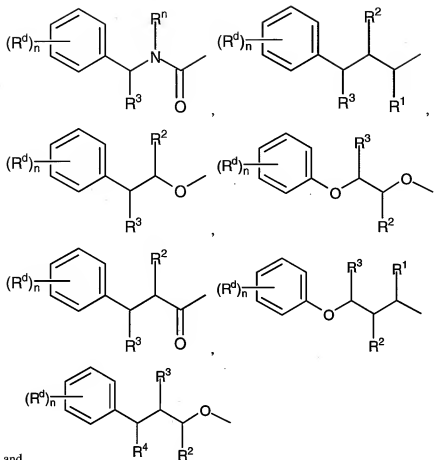
$-O-CH_2-CH_2-O-$,
 $-CH_2-CH_2-CH_2-O-$,
 $-CH_2-CH(OH)-CH_2-O-$,
 $-CH_2-CH_2-O-$,
 $-CH-(CH_3)-NH-C(=O)-$,
 $-CH_2-NH-SO_2-$,
 $-NH-SO_2-CH_2-$,
 $-CH_2-SO_2NH-$,
 $-SO_2NH-CH_2-$,
 $-C(=O)-NH-C(=O)-$,
 $-NH-C(=O)-NH-$,
 $-NH-C(=O)-NH-CH_2-$,
 $-CH_2-NH-C(=O)-NH-$,
 $-C(=O)-NH-CH_2-C(=O)-NH-$,
 $-NH-C(=O)-O-$ and
 $-O-C(=O)-NH-$, and pharmaceutically acceptable salts thereof.

4) (original) The compound of Claim 3 wherein the compound is represented by



where D-L- is selected from





and
where

Y^2, Y^3 and Y^4 are selected from the group CH, CR^d and N ;

Z^1 is selected from the group O, S, NH and NR^n ;

n is 0-3;

R^1, R^2 and R^3 each are independently selected from R^a, R^c and $U-W$;

U is an optionally substituted bivalent radical selected from the group

C_1-C_6 alkyl-, C_0-C_6 alkyl-Q-, C_2-C_6 alkenyl-Q-, and C_2-C_6 alkynyl-Q-, where the substituents on any alkyl,

alkenyl or alkynyl are 1-3 R^a ;

Q is absent or is selected from the group

$-O-, -S(O)_s-, -SO_2-N(R^b)-, -N(R^b)-, -N(R^b)-C(=O)-, -N(R^b)-C(=O)-N(R^b)-, -N(R^b)-C(=O)-O-, -O-C(=O)-$

$N(R^b)-, -N(R^b)-SO_2-, -C(=O)-, -C(=O)-O-, -het-, -C(=O)-N(R^b)-, -PO(OR^c)O-$ and $-P(O)O-$, where s is 0-

2; het is a mono- or bicyclic 5, 6, 7, 9 or 10 member heterocyclic ring, each ring containing 1-4 heteroatoms selected from N, O and S , where the heterocyclic ring may be saturated, partially saturated, or aromatic and

any N or S being optionally oxidized, the heterocyclic ring being substituted with 0-3 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆alkyl, C₁-C₆alkoxy, nitro and amino;

W is selected from the group

hydrogen, OH, O-C₁-C₆alkyl, SH, SR^m, NRⁿR^{n'}, NH-C(=O)-O-R^c, NH-C(=O)-NRⁿR^{n'}, NH-C(=O)-R^c, NH-SO₂-R^s, NH-SO₂-NRⁿR^{n'}, NH-SO₂-NH-C(=O)-R^c, NH-C(=O)-NH-SO₂-R^s, C(=O)-NH-C(=O)-O-R^c, C(=O)-NH-C(=O)-R^c, C(=O)-NH-C(=O)-NRⁿR^{n'}, C(=O)-NH-SO₂-R^s, C(=O)-NH-SO₂-NRⁿR^{n'}, C(=S)-NRⁿR^{n'}, SO₂-R^s, SO₂-O-R^s, SO₂-NRⁿR^{n'}, SO₂-NH-C(=O)-O-R^c, SO₂-NH-C(=O)-NRⁿR^{n'}, SO₂-NH-C(=O)-R^c, O-C(=O)-NRⁿR^{n'}, O-C(=O)-R^c, O-C(=O)-NH-C(=O)-R^c, O-C(=O)-NH-SO₂-R^s and O-SO₂-R^s; R^a is R^{a'} or R^{a''} substituted with 1-3 R^{a'}; where

R^{a'} is selected from the group

hydrogen, halo(F, Cl, Br, I), cyano, carboxy, carboxy-C₁-C₁₁alkyl, amino, amino-C₁-C₈alkyl, aminocarbonyl, carboxamido, carbamoyl, carbamoyloxy, formyl, formyloxy, azido, nitro, imidazolyl, ureido, thioureido, thiocyanato, hydroxy, C₁-C₆alkoxy, mercapto, sulfonamido, het, phenoxy, phenyl, benzamido, tosyl, morpholino, morpholinyl, piperazinyl, piperidinyl, pyrrolinyl, imidazolyl and indolyl;

R^{a''} is selected from the group

C₀-C₁₀alkyl-Q-C₀-C₆alkyl, C₀-C₁₀alkenyl-Q-C₀-C₆alkyl, C₀-C₁₀alkynyl-Q-C₀-C₆alkyl, C₃-C₁₁cycloalkyl-Q-C₀-C₆alkyl, C₃-C₁₀cycloalkenyl-Q-C₀-C₆alkyl, C₁-C₆alkyl-C₆-C₁₂aryl-Q-C₀-C₆alkyl, C₆-C₁₀aryl-C₁-C₆alkyl-Q-C₀-C₆alkyl, C₀-C₆alkyl-het-Q-C₀-C₆alkyl, C₀-C₆alkyl-Q-het-C₀-C₆alkyl, het-C₀-C₆alkyl-Q-C₀-C₆alkyl, C₀-C₆alkyl-Q-C₆-C₁₂aryl and -Q-C₁-C₆alkyl;

R^c is selected from hydrogen and substituted or unsubstituted

C₁-C₁₀alkyl, C₂-C₁₀alkenyl, C₂-C₁₀alkynyl, C₃-C₁₁cycloalkyl, C₃-C₁₀cycloalkenyl, C₁-C₆alkyl-C₆-C₁₂aryl, C₆-C₁₀aryl-C₁-C₆alkyl, C₁-C₆alkyl-het, het-C₁-C₆alkyl, C₆-C₁₂aryl and het, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆alkyl, C₁-C₆alkoxy, nitro and amino;

R^d is selected from the group

OH, OCF₃, OR^c, SR^m, halo(F, Cl, Br, I), CN, NO₂, CF₃, C₀-C₆alkyl-NRⁿR^{n'}, C₀-C₆alkyl-C(=O)-NRⁿR^{n'}, C₀-C₆alkyl-C(=O)-R^a, C₁-C₈alkyl, C₁-C₈alkoxy, C₂-C₈alkenyl, C₂-C₈alkynyl, C₃-

C₆cycloalkyl, C₃-C₆cycloalkenyl, C₁-C₆alkyl-phenyl, phenyl-C₁-C₆alkyl, C₁-C₆alkyloxycarbonyl, phenyl-C₀-C₆alkyloxy, C₁-C₆alkyl-het, het-C₁-C₆alkyl, SO₂-het, -O-C₆-C₁₂aryl, -SO₂-C₆-C₁₂aryl, -SO₂-C₁-C₆alkyl and het, where any alkyl, alkenyl or alkynyl may optionally be substituted with 1-3 groups selected from OH, halo(F, Cl, Br, I), nitro, amino and aminocarbonyl and the substituents on any aryl or het are 1-2 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆alkyl, C₁-C₆alkoxy, nitro and amino;

R^m is selected from

S-C₁-C₆alkyl, C(=O)-C₁-C₆alkyl, C(=O)-NRⁿR^{n'}, C₁-C₆alkyl, halo(F, Cl, Br, I)-C₁-C₆alkyl, benzyl and phenyl;

Rⁿ is selected from the group

R^c, NH-C(=O)-O-R^c, NH-C(=O)-R^c, NH-C(=O)-NHR^c, NH-SO₂-R^s, NH-SO₂-NH-C(=O)-R^c, NH-C(=O)-NH-SO₂-R^s, C(=O)-O-R^c, C(=O)-R^c, C(=O)-NHR^c, C(=O)-NH-C(=O)-O-R^c, C(=O)-NH-C(=O)-R^c, C(=O)-NH-SO₂-R^s, C(=O)-NH-SO₂-NHR^s, SO₂-R^s, SO₂-O-R^s, SO₂-N(R^c)₂, SO₂-NH-C(=O)-O-R^c, SO₂-NH-C(=O)-O-R^c and SO₂-NH-C(=O)-R^c;

R^{n'} is selected from hydrogen, hydroxy and substituted or unsubstituted

C₁-C₁₁alkyl, C₁-C₁₁alkoxy, C₂-C₁₀alkenyl, C₂-C₁₀alkynyl, C₃-C₁₁cycloalkyl, C₃-C₁₀cycloalkenyl, C₁-C₆alkyl-C₆-C₁₂aryl, C₆-C₁₀aryl-C₁-C₆alkyl, C₆-C₁₀aryl-C₀-C₆alkyloxy, C₁-C₆alkyl-het, het-C₁-C₆alkyl, C₆-C₁₂aryl, het, C₁-C₆alkylcarbonyl, C₁-C₈alkoxycarbonyl, C₃-C₈cycloalkylcarbonyl, C₃-C₈cycloalkoxycarbonyl, C₆-C₁₁arylalkoxycarbonyl, C₇-C₁₁arylalkoxycarbonyl, heteroarylalkoxycarbonyl, heteroarylalkylcarbonyl, heteroarylcarbonyl, heteroarylalkylsulfonyl, heteroarylsulfonyl, C₁-C₆alkylsulfonyl and C₆-C₁₀arylsulfonyl, where any alkyl, alkenyl or alkynyl may optionally be substituted with 1-3 groups selected from OH, halo(F, Cl, Br, I), nitro, amino and aminocarbonyl and the substituents on any aryl, heteroaryl or het are 1-2 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆alkyl, C₁-C₆alkoxy, nitro and amino;

Rⁿ and R^{n'} taken together with the common nitrogen to which they are

attached may form an optionally substituted heterocycle selected from morpholinyl, piperazinyl, thiamorpholinyl, pyrrolidinyl, imidazolidinyl, indolinyl, isoindolinyl, 1,2,3,4-tetrahydro-quinolinyl, 1,2,3,4-tetrahydro-isquinolinyl, thiazolidinyl and azabicyclononyl, where the substituents are 1-3 hydroxy, halo(F,

Cl, Br, I), CF_3 , $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkoxy, nitro and amino;

R^5 is a substituted or unsubstituted group selected from

$\text{C}_1\text{-C}_8$ alkyl, $\text{C}_2\text{-C}_8$ alkenyl, $\text{C}_2\text{-C}_8$ alkynyl, $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_6$ cycloalkenyl, $\text{C}_0\text{-C}_6$ alkyl-phenyl, phenyl- $\text{C}_0\text{-C}_6$ alkyl, $\text{C}_0\text{-C}_6$ alkyl-het and het- $\text{C}_0\text{-C}_6$ alkyl, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF_3 , $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkoxy, nitro and amino;

T is U-W; and

pharmaceutically acceptable salts thereof.

5) (original) The compound of Claim 4 wherein

Y^2 , Y^3 and Y^4 are selected from CH and CR^d ;

Z^1 is selected from NR^n , O and S;

n is 0-3;

R^1 , R^2 and R^3 each are independently R^a ;

R^a is $\text{R}^{a'}$ or $\text{R}^{a''}$ substituted with 1-3 $\text{R}^{a'}$; where

$\text{R}^{a'}$ is selected from the group

hydrogen, halo(F, Cl, Br, I), cyano, carboxy, carboxy, amino, amino, aminocarbonyl, carboxamido, carbamoyl, carbamoyloxy, formyl, formyloxy, azido, nitro, imidazolyl, ureido, thioureido, thiocyanato, hydroxy, $\text{C}_1\text{-C}_6$ alkoxy, mercapto, sulfonamido, phenoxy, phenyl, benzamido, morpholino, morpholinyl, piperazinyl, piperidinyl, pyrrolinyl, imidazolyl and indolyl;

$\text{R}^{a''}$ is hydrogen or a substituted or unsubstituted group selected from

$\text{C}_0\text{-C}_{10}$ alkyl-het, $\text{C}_1\text{-C}_{10}$ alkyl, $\text{C}_2\text{-C}_{10}$ alkenyl, $\text{C}_2\text{-C}_{10}$ alkynyl, $\text{C}_3\text{-C}_{11}$ cycloalkyl, $\text{C}_3\text{-C}_{10}$ cycloalkenyl, $\text{C}_0\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkyl- $\text{C}_6\text{-C}_{12}$ aryl and $\text{C}_6\text{-C}_{10}$ aryl- $\text{C}_1\text{-C}_6$ alkyl, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF_3 , $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkoxy, nitro and amino;

R^d is selected from the group

OH , OCF_3 , $\text{OR}^{a''}$, SR^m , halo(F, Cl, Br, I), CN, NO_2 , CF_3 , $\text{C}_0\text{-C}_6$ alkyl- $\text{C}(=\text{O})\text{-R}^a$, $\text{C}_1\text{-C}_8$ alkyl, $\text{C}_1\text{-C}_8$ alkoxy, $\text{C}_2\text{-C}_8$ alkenyl, $\text{C}_2\text{-C}_8$ alkynyl, $\text{C}_3\text{-C}_6$ cycloalkyl, phenyl- $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkyloxy carbonyl, - $\text{O-C}_6\text{-C}_{12}$ aryl and - $\text{SO}_2\text{-C}_6\text{-C}_{12}$ aryl, where any alkyl, alkenyl or alkynyl may optionally be substituted with 1-3 groups selected from OH, halo(F, Cl, Br, I), nitro, amino and aminocarbonyl and the substituents on any aryl or het are 1-2 hydroxy, halo(F, Cl, Br, I), CF_3 , $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_1\text{-C}_6$ alkoxy, nitro and amino;

R^m is selected from

S-C₁-C₆ alkyl, C(=O)-C₁-C₆ alkyl, C(=O)-NH₂, C₁-C₆ alkyl, halo(F, Cl, Br, I)-C₁-C₆ alkyl, benzyl and phenyl;

Rⁿ is selected from the group

R^{a''}, NH-C(=O)-O-R^{a''}, NH-C(=O)-R^{a''}, NH-C(=O)-NHR^{a''}, NH-SO₂-R^s, NH-SO₂-NH-C(=O)-R^{a''}, NH-C(=O)-NH-SO₂-R^s, C(=O)-O-R^{a''}, C(=O)R^{a''}, C(=O)-NHR^{a''}, C(=O)-NH-C(=O)-O-R^{a''}, C(=O)-NH-C(=O)-R^{a''}, C(=O)-NH-SO₂-R^s, C(=O)-NH-SO₂-NHR^s, SO₂-R^s, SO₂-O-R^s, SO₂-N(R)₂, SO₂-NH-C(=O)-O-R^{a''}, SO₂-NH-C(=O)-R^{a''} and SO₂-NH-C(=O)-R^{a''};

R^{n'} is selected from hydrogen, hydroxy and substituted or unsubstituted

C₁-C₁₁ alkyl, C₁-C₁₁ alkoxy, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, C₃-C₁₁ cycloalkyl, C₃-C₁₀ cycloalkenyl, C₁-C₆ alkyl-C₆-C₁₂ aryl, C₆-C₁₀ aryl-C₁-C₆ alkyl, C₆-C₁₀ aryl-C₀-C₆ alkyloxy, C₁-C₆ alkyl-het, het-C₁-C₆ alkyl, C₆-C₁₂ aryl, het, C₁-C₆ alkylcarbonyl, C₁-C₈ alkoxy carbonyl, C₃-C₈ cycloalkylcarbonyl, C₃-C₈ cycloalkoxy carbonyl, C₆-C₁₁ aryloxy carbonyl, C₇-C₁₁ arylalkoxy carbonyl, heteroarylalkoxy carbonyl, heteroarylalkylcarbonyl, heteroarylcarbonyl, heteroarylalkylsulfonyl, heteroarylsulfonyl, C₁-C₆ alkylsulfonyl and C₆-C₁₀ arylsulfonyl, where any alkyl, alkenyl or alkynyl may optionally be substituted with 1-3 groups selected from OH, halo(F, Cl, Br, I), nitro, amino and aminocarbonyl and the substituents on any aryl, heteroaryl or het are 1-2 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆ alkyl, C₁-C₆ alkoxy, nitro and amino;

Rⁿ and R^{n'} taken together with the common nitrogen to which they are

attached may form an optionally substituted heterocycle selected from morpholinyl, piperazinyl, thiamorpholinyl, pyrrolidinyl, imidazolidinyl, indolinyl, isoindolinyl, 1,2,3,4-tetrahydro-quinolinyl, 1,2,3,4-tetrahydro-isouquinolinyl, thiazolidinyl and azabicyclononyl, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆ alkyl, C₁-C₆ alkoxy, nitro and amino;

R^s is a substituted or unsubstituted group selected from

C₁-C₈ alkyl, C₂-C₈ alkenyl, C₂-C₈ alkynyl, C₃-C₈ cycloalkyl, C₃-C₆ cycloalkenyl, C₀-C₆ alkyl-phenyl, phenyl-C₀-C₆ alkyl, C₀-C₆ alkyl-het and het-C₀-C₆ alkyl, where the substituents are 1-3 hydroxy, halo(F, Cl, Br, I), CF₃, C₁-C₆ alkyl, C₁-C₆ alkoxy, nitro and amino; T is U-W, where

U is an optionally substituted bivalent radical selected from the group

C_1-C_6 alkyl-Q, C_2-C_6 alkenyl-Q, and C_2-C_6 alkynyl-Q, where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a ;

Q is absent or is selected from the group

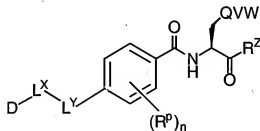
$-SO_2-N(R^n)-$, $-N(R^n)-$, $-N(R^n)-C(=O)-$, $-N(R^n)-C(=O)-O-$, $-N(R^n)-SO_2-$, $-C(=O)-N(R^n)-C(=O)-O-$, -

$C(=O)-O-$, $-C(=O)-$ and $-C(=O)-N(R^n)-$;

W is selected from the group

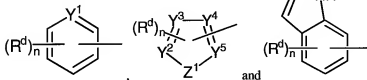
hydrogen, OH, $O-C_1-C_6$ alkyl, SH, SR^m , $NR^nR^{n'}$, $NH-C(=O)-O-R^{a''}$, $NH-C(=O)-NR^nR^{n'}$, $NH-C(=O)-R^{a''}$, $R^{a''}$, $NH-SO_2-R^s$, $NH-SO_2-NR^nR^{n'}$, $NH-SO_2-NH-C(=O)-R^{a''}$, $NH-C(=O)-NH-SO_2-R^s$, $C(=O)-NH-C(=O)-O-R^{a''}$, $C(=O)-NH-C(=O)-R^{a''}$, $C(=O)-NH-C(=O)-NR^nR^{n'}$, $C(=O)-NH-SO_2-R^s$, $C(=O)-NH-SO_2-NR^nR^{n'}$, $C(=S)-NR^nR^{n'}$, SO_2-R^s , SO_2-O-R^s , $SO_2-NR^nR^{n'}$, $SO_2-NH-C(=O)-O-R^{a''}$, $SO_2-NH-C(=O)-NR^nR^{n'}$, $SO_2-NH-C(=O)-R^{a''}$, $O-C(=O)-NR^nR^{n'}$, $O-C(=O)-R^{a''}$, $O-C(=O)-NH-C(=O)-R^{a''}$, $O-C(=O)-NH-SO_2-R^s$ and $O-SO_2-R^s$; and pharmaceutically acceptable salts thereof.

6) (original) A compound represented by the formula:



where

D is selected from the group



where

Y^1 is selected from the group NR^n , CH and CR^d ;

Y^2 , Y^3 , Y^4 and Y^5 are selected from the group CH and CR^d ;

Z^1 is selected from the group NR^n , O and S;

n is 0-3;

L^X is selected from the group substituted or unsubstituted

C_2-C_3 alkylene,

C_3-C_6 cycloalkylene,

C_0-C_3 alkylene- NR^n -(C=O)- C_0-C_3 alkylene,

C_0-C_3 alkylene-(C=O)- NR^n - C_0-C_3 alkylene,

C_0-C_3 alkylene-O- C_0-C_3 alkylene,

C_0-C_3 alkylene- NR^n - C_0-C_3 alkylene,

C_0-C_3 alkylene-(C=O)- C_0-C_3 alkylene,

C_0-C_3 alkylene-S(O)₀₋₂- C_0-C_3 alkylene,

C_0-C_3 alkylene- NR^n -SO₂- C_0-C_3 alkylene,

C_0-C_3 alkylene-SO₂- NR^n - C_0-C_3 alkylene,

C_0-C_3 alkylene-CR¹=CR²- C_0-C_3 alkylene,

C_0-C_3 alkylene-C≡C- C_0-C_3 alkylene and

C_0-C_3 alkylene-het- C_0-C_3 alkylene.

where the substituents are selected from the group one to three R^1 , R^2 and R^3 ;

L^Y is selected from the group substituted or unsubstituted

C_0-C_2 alkylene,

C_0-C_2 alkylene- NR^n -(C=O)- C_0-C_2 alkylene,

C_0-C_2 alkylene-(C=O)- NR^n - C_0-C_2 alkylene,

C_0-C_2 alkylene-O- C_0-C_2 alkylene,

C_0-C_2 alkylene- NR^n - C_0-C_2 alkylene,

C_0-C_2 alkylene-(C=O)- C_0-C_2 alkylene,

C_0-C_3 alkylene-S(O)₀₋₂- C_0-C_3 alkylene,

C_0-C_3 alkylene-SO₂-NRⁿ-C₀-C₃ alkylene and

C_0-C_2 alkylene-aryl-C₀-C₂ alkylene

where the substituents are selected from the group one to three R¹, R² and R³;

R¹, R² and R³ are selected from the group

hydrogen,

C₁-C₈ alkyl-hydroxy,

halo(F, Cl, Br, I),

halo(F, Cl, Br, I)-C₁-C₈ alkyl,

cyano,

isocyanate,

carboxy,

carboxy-C₁-C₆ alkyl,

amino,

amino-C₁-C₈ alkyl,

amino-di(C₁-C₈ alkyl),

aminocarbonyl,

carboxamido,

carbamoyl,

carbamoyloxy,

formyl,

formyloxy,

nitro,

imidazolyl,

ureido,

thioureido,

thiocyanato,

hydroxy,

C₁-C₆ alkoxy,

mercapto,

sulfonamido,

phenoxy,

phenyl, and

benzamido;

R^a is selected from the group

hydrogen,
halo(F, Cl, Br, I),
cyano,
isocyanate,
carboxy,
carboxy-C₁-C₆ alkyl,
amino,
amino-C₁-C₈ alkyl,
aminocarbonyl,
carboxamido,
carbamoyl,
carbamoyloxy,
formyl,
formyloxy,
azido,
nitro,
imidazoyl,
ureido,
thioureido,
thiocyanato,
hydroxy,
C₁-C₆ alkoxy,
mercapto,
sulfonamido,
C₁-C₆ alkylsulfonyl,
het,
phenoxy,
phenyl,
benzamido,
tosyl,
morpholino,
morpholinyl,
piperazinyl,
piperidinyl,

pyrrolinyl.
 imidazolyl and
 indolyl;

R^C is selected from hydrogen and substituted or unsubstituted

C₁-C₁₀ alkyl,
 C₂-C₁₀ alkenyl,
 C₂-C₁₀ alkynyl,
 C₃-C₁₁ cycloalkyl,
 C₃-C₁₀ cycloalkenyl,
 C₁-C₆ alkyl-C₆-C₁₂ aryl,
 C₆-C₁₀ aryl-C₁-C₆ alkyl,
 C₁-C₆ alkyl-het,
 het-C₁-C₆ alkyl,
 C₆-C₁₂ aryl,
 C₁-C₁₀ alkyl-O-,
 C₂-C₁₀ alkenyl-O-,
 C₂-C₁₀ alkynyl-O-,
 C₃-C₁₁ cycloalkyl-O-,
 C₃-C₁₀ cycloalkenyl-O-,
 C₁-C₆ alkyl-C₆-C₁₂ aryl-O-,
 C₆-C₁₀ aryl-C₁-C₆ alkyl-O-,
 C₁-C₆ alkyl-het-O-,
 het-C₀-C₆ alkyl-O-,
 C₆-C₁₂ aryl-O-
 C₁-C₁₀ alkyl-NRⁿ-,
 C₂-C₁₀ alkenyl-NRⁿ-,
 C₂-C₁₀ alkynyl-NRⁿ-,

C_3-C_{11} cycloalkyl- NR^n -,

C_3-C_{10} cycloalkenyl- NR^n -,

C_1-C_6 alkyl- C_6-C_{12} aryl- NR^n -,

C_6-C_{10} aryl- C_1-C_6 alkyl- NR^n -,

C_1-C_6 alkyl-het- NR^n -,

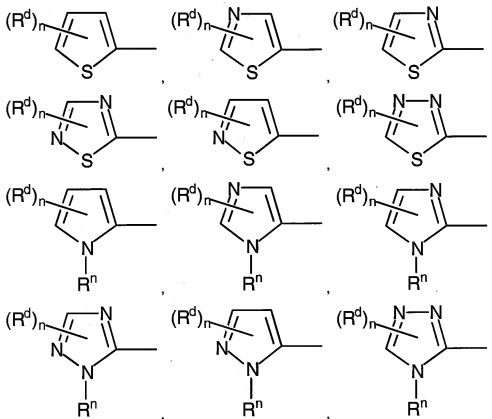
het- C_0-C_6 alkyl- NR^n -,

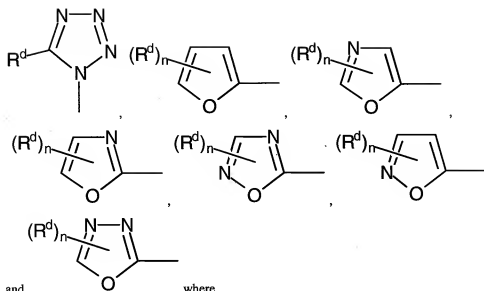
C_6-C_{12} aryl- NR^n - and

het, where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl or

het are 1-3 R^d ;

het is selected from the group





and

where

R^p and R^d are independently selected from the group

OH,

CN,

NO_2 ,

halo(F, Cl, Br, I),

OR^n ,

SR^n ,

SOR^n ,

CF_3 ,

R^c ,

$NR^nR^{n'}$,

$NR^n C(=O)-O-R^{n'}$,

$NR^n C(=O)-R^{n'}$,

$C_0-C_6\text{ alkyl-SO}_2-R^n$,

$C_0-C_6\text{ alkyl-SO}_2-NR^nR^{n'}$,

$C(=O)-R^n$,

$O-C(=O)-R^n$,

$C(=O)-O-R^n$ and



R^d is a chemical bond when het is a divalent linking group;

R^n and $R^{n'}$ are independently selected from the group

hydrogen,

hydroxy,

C_1-C_6 alkyl,

halo(F, Cl, Br, I)- C_1-C_6 alkyl,

C_1-C_6 alkyl-het,

het- C_1-C_6 alkyl,

C_6-C_{12} aryl, and

het;

R^Z is a substituted or unsubstituted group selected from

hydroxy,

C_1-C_{11} alkoxy,

C_3-C_{12} cycloalkoxy,

C_8-C_{12} aralkoxy,

C_8-C_{12} arcycloalkoxy,

C_6-C_{10} aryloxy,

C_3-C_{10} alkylcarbonyloxyalkyloxy,

C_3-C_{10} alkoxy carbonyloxyalkyloxy,

C_3-C_{10} alkoxy carbonylalkyloxy,

C_5-C_{10} cycloalkylcarbonyloxyalkyloxy,

C_5-C_{10} cycloalkoxy carbonyloxyalkyloxy,

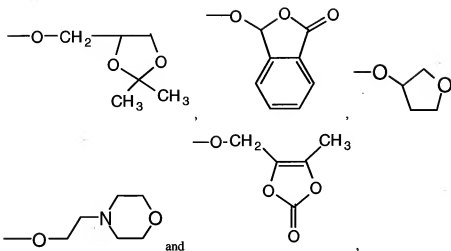
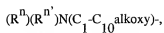
C_5-C_{10} cycloalkoxy carbonylalkyloxy,

C_8-C_{12} aryloxy carbonylalkyloxy,

C_8-C_{12} aryloxy carbonyloxyalkyloxy,

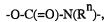
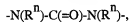
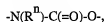
C_8-C_{12} arylcarbonyloxyalkyloxy,

C_5-C_{10} alkoxyalkylcarbonyloxyalkyloxy,

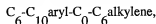
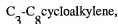
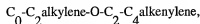
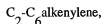
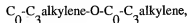


where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl or het are 1-3 R^d ;

Q is absent or is C_0-C_3 alkyl substituted with a group selected from



V is absent or is an optionally substituted bivalent group selected from



C_0-C_6 alkyl- C_6-C_{10} arylene and

C_0-C_6 alky-het;

where the substituents on any alkyl are 1-3 R^a and the substituents on any aryl or het are 1-3 R^d ;

W is a C_0-C_3 -alkyl substituted with a group selected from

R^a ,

$NH-C(=O)-NR^nR^{n'}$,

$NH-C(=O)-R^c$,

$C(=O)-R^c$,

$C(=O)-NH-C(=O)-R^c$,

$C(=O)-NH-C(=O)-NR^nR^{n'}$,

$C(=O)-NH-SO_2-R^c$,

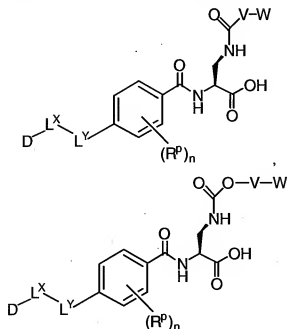
$C(=O)-NH-SO_2-NR^nR^{n'}$,

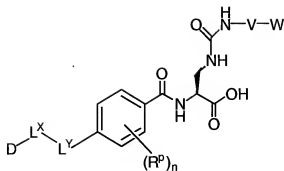
$C(=O)NR^nR^{n'}$,

$NH-C(=O)-R^c$ and

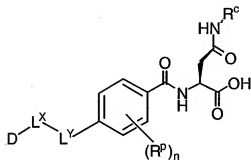
R^c and pharmaceutically acceptable salts thereof.

7) (original) The compound of Claim 6 selected from the group consisting of



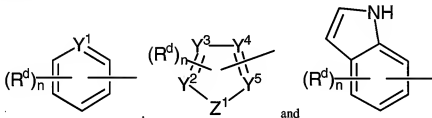


and



where

D is selected from the group



and

where Y^1 , Y^2 , Y^3 , Y^4 and Y^5 are selected from the group CH and CR^d ;

Z^1 is selected from the group NR^n , O and S;

n is 0-3;

L^X is selected from the group substituted or unsubstituted

C_2 - C_5 alkylene,

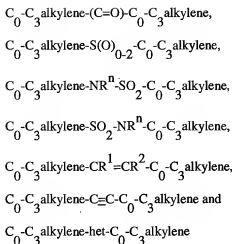
C_3 - C_6 cycloalkylene,

C_0 - C_3 alkylene- NR^n -(C=O)- C_0 - C_3 alkylene,

C_0 - C_3 alkylene-(C=O)- NR^n - C_0 - C_3 alkylene,

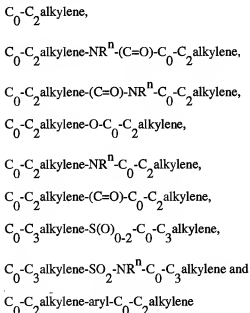
C_0 - C_3 alkylene-O- C_0 - C_3 alkylene,

C_0 - C_3 alkylene- NR^n - C_0 - C_3 alkylene,



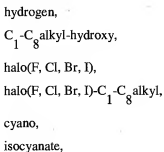
where the substituents are selected from the group one to three R^1 , R^2 and R^3 ;

L^Y is selected from the group substituted or unsubstituted



where the substituents are selected from the group one to three R^1 , R^2 and R^3 ;

R^1 , R^2 and R^3 are selected from the group



carboxy,
carboxy- C_1-C_{11} alkyl,
amino,
amino- C_1-C_8 alkyl,
amino-di(C_1-C_8 alkyl),
aminocarbonyl,
carboxamido,
carbamoyl,
carbamoyloxy,
formyl,
formyloxy,
azido,
nitro,
imidazoyl,
ureido,
thioureido,
thiocyanato,
hydroxy,
 C_1-C_6 alkoxy,
mercapto,
sulfonamido,
phenoxy,
phenyl, and
benzamido;

R^a is selected from the group

hydrogen,
halo(F, Cl, Br, I),
carboxy,
amino,
amino- C_1-C_8 alkyl,
aminocarbonyl,
carboxamido,
carbamoyl,
carbamoyloxy,
formyl,

formyloxy,
 imidazolyl,
 ureido,
 hydroxy,
 C_1-C_6 alkoxy,
 sulfonamido,
 het,
 phenoxy and
 phenyl,

R^C is selected from hydrogen and substituted or unsubstituted

C_1-C_{10} alkyl,
 C_2-C_{10} alkenyl,
 C_2-C_{10} alkynyl,
 C_3-C_{11} cycloalkyl,
 C_3-C_{10} cycloalkenyl,
 C_1-C_6 alkyl- C_6-C_{12} aryl,
 C_6-C_{10} aryl- C_1-C_6 alkyl,
 C_1-C_6 alkyl-het,
 het- C_1-C_6 alkyl,
 C_6-C_{12} aryl,
 C_1-C_{10} alkyl-O-,
 C_2-C_{10} alkenyl-O-,
 C_2-C_{10} alkynyl-O-,
 C_3-C_{11} cycloalkyl-O-,
 C_3-C_{10} cycloalkenyl-O-,
 C_1-C_6 alkyl- C_6-C_{12} aryl-O-,
 C_6-C_{10} aryl- C_1-C_6 alkyl-O-,
 C_1-C_6 alkyl-het-O-,
 het- C_6-C_6 alkyl-O-,

C_6-C_{12} aryl-O-

C_1-C_{10} alkyl-NRⁿ-,

C_2-C_{10} alkenyl-NRⁿ-,

C_2-C_{10} alkynyl-NRⁿ-,

C_3-C_{11} cycloalkyl-NRⁿ-,

C_3-C_{10} cycloalkenyl-NRⁿ-,

C_1-C_6 alkyl- C_6-C_{12} aryl-NRⁿ-,

C_6-C_{10} aryl- C_1-C_6 alkyl-NRⁿ-,

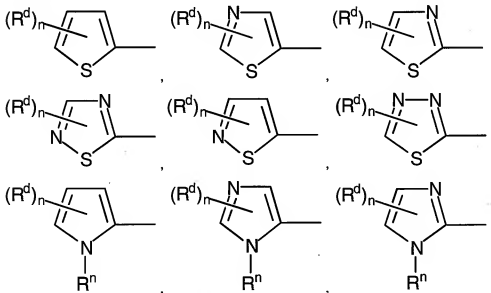
C_1-C_6 alkyl-het-NRⁿ-,

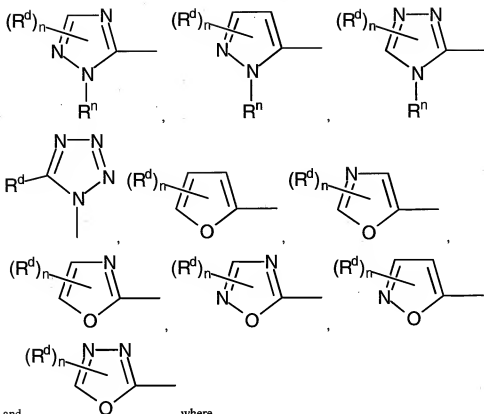
het- C_0-C_6 alkyl-NRⁿ-,

C_6-C_{12} aryl-NRⁿ- and het, where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the

substituents on any aryl or het are 1-3 R^d;

het is selected from the group





and

where

R^p and R^d are independently selected from the group

OH,

CN,

NO_2 ,

halo(F, Cl, Br, I),

OR^n ,

SR^n ,

SOR^n ,

CF_3 ,

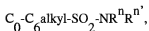
R^c ,

$\text{NR}^n\text{R}^{n'}$,

$\text{NR}^n\text{C}(=\text{O})\text{-O-R}^{n'}$,

$\text{NR}^n\text{C}(=\text{O})\text{-R}^{n'}$,

$\text{C}_0\text{-C}_6\text{alkyl-SO}_2\text{-R}^n$,



R^d is a chemical bond when het is a divalent linking group;

R^n and $R^{n'}$ are independently selected from the group

hydrogen,

hydroxy,

C_1-C_6 alkyl and

halo(F, Cl, Br, I)- C_1-C_6 alkyl;

V is absent or is an optionally substituted bivalent group selected from

C_1-C_6 alkylene,

C_0-C_3 alkylene-O- C_0-C_3 alkylene,

C_2-C_6 alkenylene,

C_0-C_2 alkylene-O- C_2-C_4 alkenylene,

C_3-C_8 cycloalkylene,

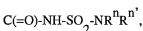
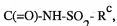
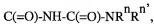
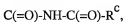
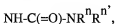
C_0-C_6 alkyl- C_6-C_{10} arylene and

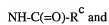
C_0-C_6 alkyl-het;

where the substituents on any alkyl are 1-3 R^a and the substituents on any aryl or het are 1-3 R^d ;

W is selected from the group

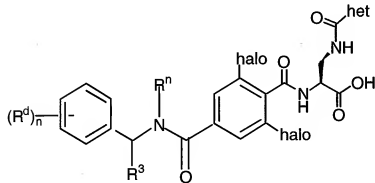
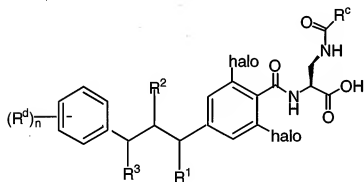
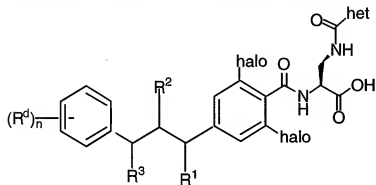
hydrogen,

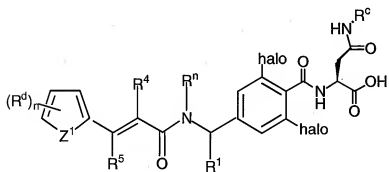
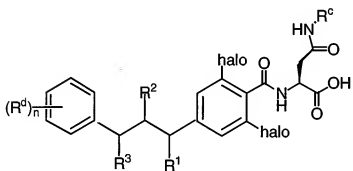
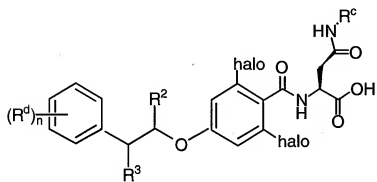
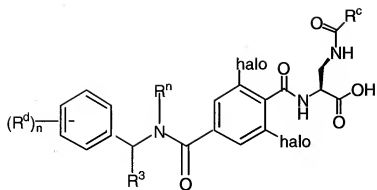


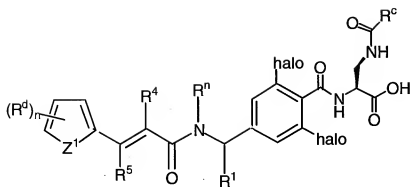


pharmaceutically acceptable salts thereof.

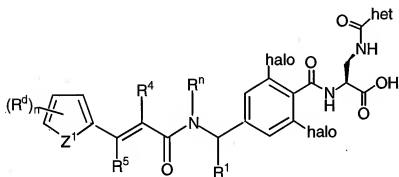
8) (original) The compound of Claim 6 selected from the group consisting of







and



where

R^1, R^2, R^3, R^4 , and R^5 are selected from the group

hydrogen,

C_1 - C_8 alkyl,

C_1 - C_8 alkyl-hydroxy,

halo(F, Cl, Br, I),

halo(F, Cl, Br, I)- C_1 - C_8 alkyl,

amino,

amino- C_1 - C_8 alkyl,

aminocarbonyl- C_0 - C_6 alkyl,

amino-di(C_1 - C_8 alkyl),

carboxamido,

carbamoyl,

carbamoyloxy,

formyl,

formyloxy,

ureido,

hydroxy,

C₁-C₆alkoxy,

sulfonamido,

phenyl and

phenoxy,

R^a is selected from the group

hydrogen,

halo(F, Cl, Br, I),

cyano,

isocyanate,

carboxy,

amino,

amino-C₁-C₈alkyl,

aminocarbonyl,

carboxamido,

carbamoyl,

carbamoyloxy,

formyl,

formyloxy,

imidazolyl,

ureido,

hydroxy,

C₁-C₆alkoxy,

sulfonamido,

phenoxy and

phenyl,

R^c is selected from hydrogen and substituted or unsubstituted

C₁-C₁₀alkyl,

C₂-C₁₀alkenyl,

C₂-C₁₀alkynyl,

C₃-C₁₁cycloalkyl,

C₃-C₁₀cycloalkenyl,

C₁-C₆alkyl-C₆-C₁₂aryl,

C₆-C₁₀aryl-C₁-C₆alkyl,

C_1-C_6 alkyl-het,
 het- C_1-C_6 alkyl,
 C_6-C_{12} aryl,
 C_1-C_{10} alkyl-O-,
 C_2-C_{10} alkenyl-O-,
 C_2-C_{10} alkynyl-O-,
 C_3-C_{11} cycloalkyl-O-,
 C_3-C_{10} cycloalkenyl-O-,
 C_1-C_6 alkyl- C_6-C_{12} aryl-O-,
 C_6-C_{10} aryl- C_1-C_6 alkyl-O-,
 C_1-C_6 alkyl-het-O-,
 het- C_0-C_6 alkyl-O-,
 C_6-C_{12} aryl-O-
 C_1-C_{10} alkyl-NRⁿ-,
 C_2-C_{10} alkenyl-NRⁿ-,
 C_2-C_{10} alkynyl-NRⁿ-,
 C_3-C_{11} cycloalkyl-NRⁿ-,
 C_3-C_{10} cycloalkenyl-NRⁿ-,
 C_1-C_6 alkyl- C_6-C_{12} aryl-NRⁿ-,
 C_6-C_{10} aryl- C_1-C_6 alkyl-NRⁿ-,
 C_1-C_6 alkyl-het-NRⁿ-,
 het- C_0-C_6 alkyl-NRⁿ-,
 C_6-C_{12} aryl-NRⁿ- and

het, where the substituents on any alkyl, alkenyl or alkynyl are 1-3 R^a and the substituents on any aryl or

het are 1-3 R^d ;

R^d are independently selected from the group

OH,

C_1-C_6 alkyl,

halo(F, Cl, Br, I),

NO_2 ,

cyano,

OR^n ,

SR^n ,

SOR^n ,

CF_3 ,

R^c ,

$NR^nR^{n'}$,

$NR^nC(=O)-O-R^{n'}$,

$NR^nC(=O)-R^{n'}$,

C_0-C_6 alkyl- SO_2-R^n ,

C_0-C_6 alkyl- $SO_2-NR^nR^{n'}$,

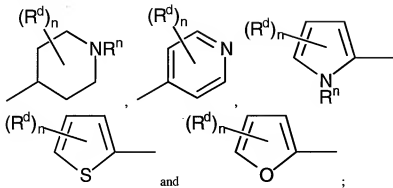
$C(=O)-R^n$,

$O-C(=O)-R^n$,

$C(=O)-O-R^n$ and

$C(=O)-NR^nR^{n'}$,

het is selected from the group



R^n and $R^{n'}$ are independently selected from the group

hydrogen,

hydroxyl,

C_1-C_6 alkyl and

halo(F, Cl, Br, I)- C_1-C_6 alkyl;

halo is selected from the group F and Cl;

Z^1 is selected from the group NR^n , O and S;

n is 0-3; and

pharmaceutically acceptable salts thereof.

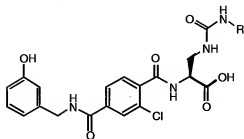
9) (previously presented) A method of treating or ameliorating a disease or disorder in a mammal mediated through the CD11/CD18 family of adhesion receptors comprising administering a pharmacologically effective amount of a compound according to claim 1.

10) (previously presented) The method of claim 9 wherein said disease or disorder is mediated by binding interaction of LFA-1 and ICAM 1.

11) (previously presented) The method of claim 9, wherein said disease or disorder is an immune or inflammatory response or disorder.

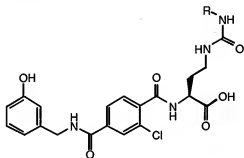
12) (previously presented) The method of claim 9, wherein said mammal is human.

13) (previously presented) The compound according to claim 1 which is:



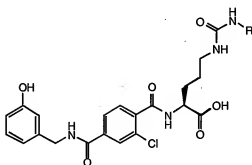
wherein R is:

2-isopropylphenyl isocyanate; phenethyl isocyanate;;1-naphthyl isocyanate;
 (S)-(-)-a-methylbenzyl isocyanate; cyclohexyl isocyanate; ethoxycarbonyl isocyanate; isopropyl isocyanate; trans-2-phenylcyclopropyl isocyanate; 1-adamantyl isocyanate; phenyl isocyanate; 4-(methylthio)phenyl isocyanate; 3-(methylthio)phenyl isocyanate; 3-ethoxycarbonylphenyl isocyanate; 4-ethoxycarbonylphenyl isocyanate; 4-fluorophenyl isocyanate; 2-fluorophenyl isocyanate; 2-(trifluoromethoxy)phenyl isocyanate; 3-fluorophenyl isocyanate; 3-bromophenyl isocyanate; 4-methoxyphenyl isocyanate; 4-isopropylphenyl isocyanate; 3-(2-hydroxy)ethyl phenyl isocyanate; 4-ethylphenyl isocyanate; 2-nitrophenyl isocyanate; 3-nitrophenyl isocyanate; 4-nitrophenyl isocyanate; 3-cyanophenyl isocyanate; 4-trifluoromethyl isocyanate; 3-trifluoromethyl isocyanate; 2-trifluoromethyl isocyanate; 3-methylphenyl isocyanate; 4-chlorophenyl isocyanate; 3-chlorophenyl isocyanate; 3-chloro-4-methylphenyl isocyanate; 3-ethylphenyl isocyanate; allyl isocyanate; (S)-(-)-a-methylbenzyl isocyanate; cyclohexyl isocyanate; or trans-2-phenylcyclopropyl isocyanate; or



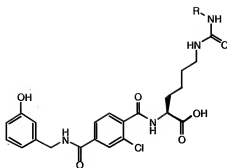
wherein R is:

benzyl isocyanate; ethoxycarbonyl isocyanate; 2-chloro-6-methylphenyl isocyanate; or ethoxycarbonyl isocyanate;
 or



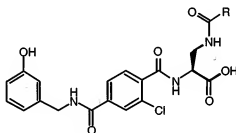
wherein R is:

R group; phenethyl isocyanate; isopropyl isocyanate; cyclohexyl isocyanate; 3-ethoxycarbonylphenyl isocyanate; 4-ethoxycarbonylphenyl isocyanate; 4-fluorophenyl isocyanate;
 2-fluorophenyl isocyanate; 3-fluorophenyl isocyanate; 4-methoxyphenyl isocyanate;
 4-isopropylphenyl isocyanate; 3-(2-hydroxyethyl)phenyl isocyanate; 2-nitrophenyl isocyanate;
 4-nitrophenyl isocyanate; 3-cyanophenyl isocyanate; 3-methylphenyl isocyanate; 4-chlorophenyl isocyanate; 3-chloro-4-methylphenyl isocyanate; 2-chloro-6-methylphenyl isocyanate; or
 4-ethylphenyl isocyanate; or

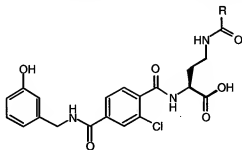


wherein R is:

phenethyl isocyanate; isopropyl isocyanate; benzyl isocyanate; propyl isocyanate; ethoxycarbonyl isocyanate; ethyl 2-isocyanato-4-methylvalerate; (S)-(-)- α -methylbenzyl isocyanate; benzenesulfonyl isocyanate; or benzyl isocyanate; or



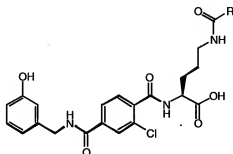
3-methylindene-2-carboxylic acid; 3-methylbenzofuran-2-carboxylic acid; 4-Oxo-4, 5, 6, 7-tetrahydro-benzofuran-3-carboxylic acid; 1, 2, 5-Trimethyl-1H-pyrrole-3-carboxylic acid; 4-Methyl-[1, 2, 3]thiadiazole-5-carboxylic acid; 4-Phenyl-[1, 2, 3]thiadiazole-5-carboxylic acid; 3-chloro-2thiophenecarboxylic acid; 3, 5-Dimethyl-isoxazole-4-carboxylic acid; 3-methyl-2-furoic acid; 3-bromothiophene-2-carboxylic acid; 2-furoic acid; 3-furoic acid; 2-thiophene carboxylic acid; 3- thiophenecarboxylic acid; 5- chloro 2- thiophene carboxylic acid; 5- bromo 2- thiophene carboxylic acid; indole 5- carboxylic acid; indole 4- carboxylic acid; indole 6- carboxylic acid; benzoic acid; cyclohexyl carboxylic acid; acetic acid; isonipecotic acid; or pipercolinic acid; or



wherein R is:

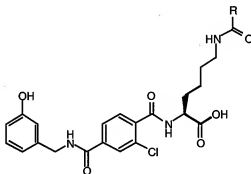
3, 4, 5-trimethoxybenzoic acid; propionic acid; cyclopropyl carboxylic acid; trimethyl acetic acid; 1, 2, 5-Trimethyl-1H-pyrrole-3-carboxylic acid; 3-Chloro-4-methanesulfonyl-thiophene-2-carboxylic acid; 4-Methyl-[1, 2, 3]thiadiazole-5-carboxylic acid; 4-Phenyl-[1, 2, 3]thiadiazole-5-carboxylic acid; 4-Bromo-2-ethyl-5-methyl-2H-pyrazole-3-carboxylic acid; 3-chlorothiophene-2-carboxylic acid; 3, 5-Dimethyl-isoxazole-4-carboxylic acid; 5-Methyl-2-phenyl-2H-[1, 2, 3]triazole-4-carboxylic acid;

3-methyl-2-furoic acid; 3-bromothiophene-2-carboxylic acid; benzoic acid; cyclohexyl carboxylic acid; acetic acid; or H; or



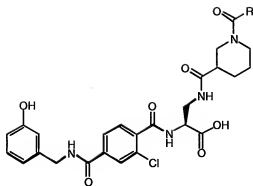
wherein R is:

trimethyl acetic acid; 3-Chloro-benzo[b]thiophene-2-carboxylic acid; 3-chlorothiophene-2-carboxylic acid; 3, 5-Dimethyl-isoxazole-4-carboxylic acid; 3-bromothiophene-2-carboxylic acid;
3-methylindene-2-carboxylic acid; 4-Oxo-4, 5, 6, 7-tetrahydro-benzofuran-3-carboxylic acid;
3-Chloro-4-methanesulfonyl-thiophene-2-carboxylic acid; 4-Methyl-[1, 2, 3]thiadiazole-5-carboxylic acid; 4-Bromo-2-ethyl-5-methyl-2H-pyrazole-3-carboxylic acid; benzoic acid; cyclohexane carboxylic acid; or acetic acid;
or

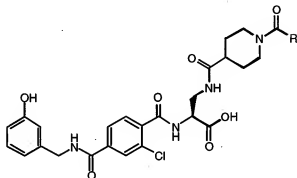


wherein R is:

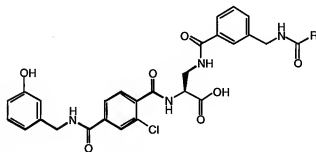
3, 4, 5-trimethoxybenzoic acid; isovaleric acid; propionic acid; cyclopropyl carboxylic acid; 4-acetyl-3, 5-dimethyl-2-pyrrolecarboxylic acid; 3-methylindene-2-carboxylic acid; 4-Oxo-4, 5, 6, 7-tetrahydro-benzofuran-3-carboxylic acid; 1, 2, 5-Trimethyl-1H-pyrrole-3-carboxylic acid; 3-Chloro-4-methanesulfonyl-thiophene-2-carboxylic acid; 4-Methyl-[1, 2, 3]thiadiazole-5-carboxylic acid;
4-Phenyl-[1, 2, 3]thiadiazole-5-carboxylic acid; 4-Bromo-2-ethyl-5-methyl-2H-pyrazole-3-carboxylic acid; 3-chlorothiophene-2-carboxylic acid; 3, 5-Dimethyl-isoxazole-4-carboxylic acid; 5-Methyl-2-phenyl-2H-[1, 2, 3]triazole-4-carboxylic acid; 3-bromothiophene-2-carboxylic acid; benzoic acid; or
cyclohexyl carboxylic acid; or



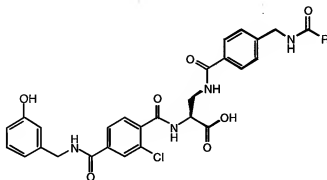
wherein R is: propionic acid; acetic acid; or H; or



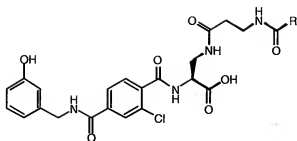
wherein R is: propionic acid; butyric acid; or acetic acid; or



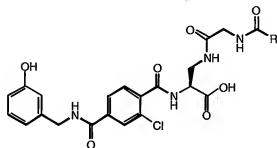
wherein R is: propionic acid; butyric acid; acetic acid; or H; or



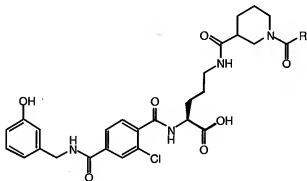
wherein R is: propionic acid; butyric acid; acetic acid; or H; or



wherein R is: propionic acid; acetic acid; or H; or

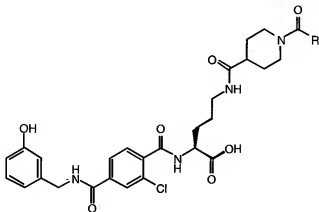


wherein R is: acetic acid; or H; or



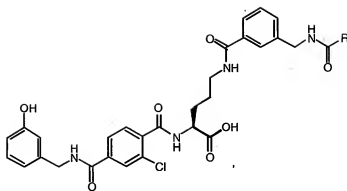
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



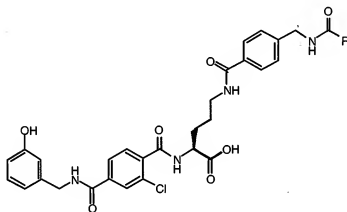
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



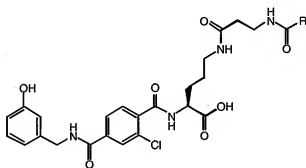
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



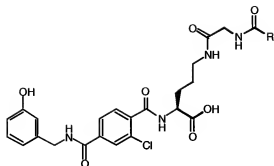
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



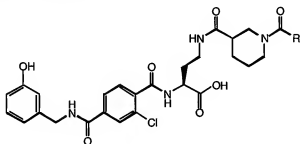
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



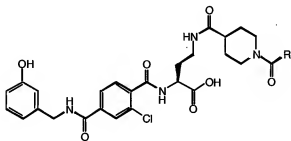
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



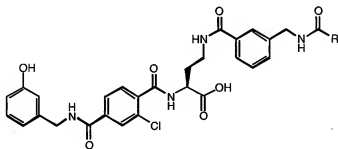
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or

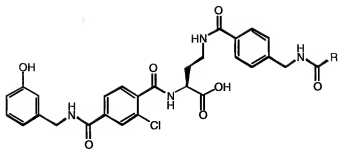


wherein R is:

propionic acid; butyric acid; acetic acid; H; or

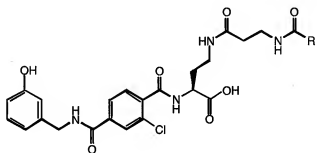


wherein R is: propionic acid; butyric acid; acetic acid; or H; or



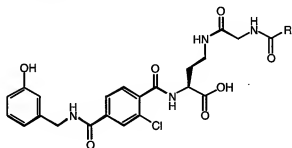
wherein R is:

propionic acid butyric acid; acetic acid; or H; or



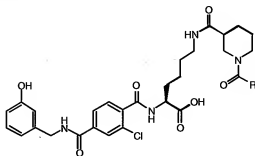
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



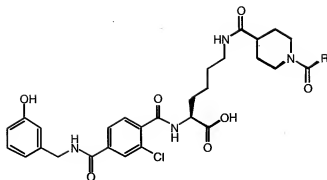
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or



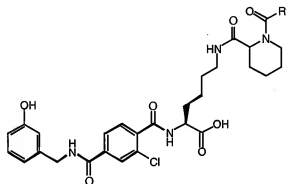
wherein R is:

propionic acid; butyric acid; acetic acid; or H; or

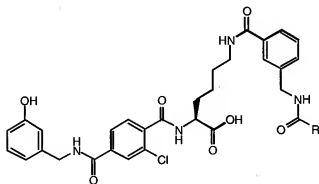


wherein R is:

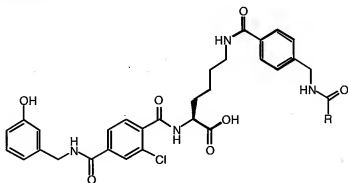
propionic acid; butyric acid; acetic acid; or H; or



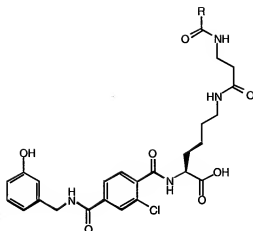
acetic acid; or H; or



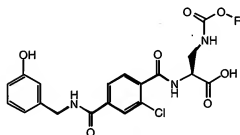
wherein R is: propionic acid; or H; or



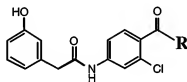
wherein R is: acetic acid; or H; or



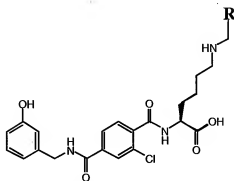
wherein R is: acetic acid; or H; or



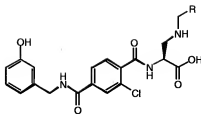
wherein R is: propyl chloroformate; benzyl chloroformate; isopropyl chloroformate; methyl chloroformate; ethyl chloroformate; butyl chloroformate; or 3- butenyl chloroformate; or



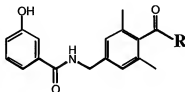
wherein R is: L - Ala; or L - Thr; or



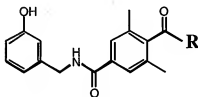
wherein R is: 2- furaldehyde; or 3- methyl 2- furaldehyde; or



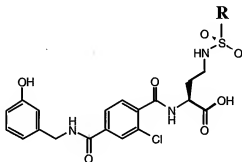
wherein R is: 2- furaldehyde; or 3- methyl 2- furaldehyde; or



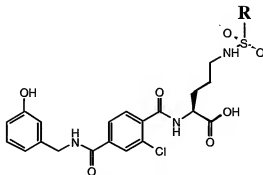
wherein R is: L- Ala; L- Asn; or



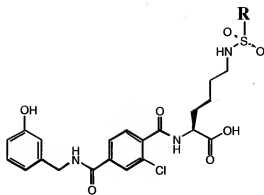
wherein R is: L- Asn; L- diaminopropionic acid (alloc); or L- lys; or



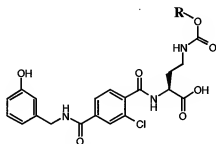
wherein R is: N-acetylsulfanilyl chloride; 2-bromobenzenesulfonyl chloride; or 2-thiophenesulfonyl chloride; or



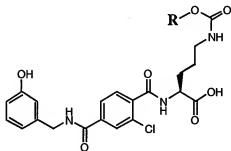
wherein R is: 2-thiophenesulfonyl chloride; or 8-quinolinesulfonyl chloride; or



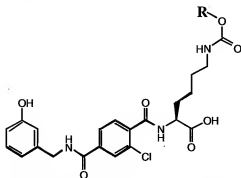
wherein R is: benzenesulfonyl chloride; N-acetylsulfanilyl chloride; 2-thiophenesulfonyl chloride; 2-bromobenzenesulfonyl chloride; or 2-acetamido-4-methyl-5-thiazolesulfonyl chloride; or



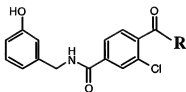
wherein R is: isobutyl chloroformate; allyl chloroformate; butyl chloroformate; ethyl chloroformate; isopropyl chloroformate; or propyl chloroformate; or



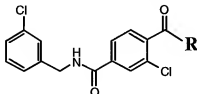
wherein R is: isobutyl chloroformate; cyclopropyl chloroformate; ethyl chloroformate; methyl chloroformate; or 2, 2-trichloroethyl chloroformate; or



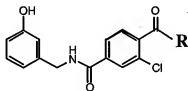
wherein R is: butyl chloroformate; propyl chloroformate; ethyl chloroformate; or methyl chloroformate; or



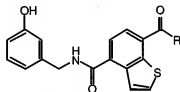
wherein R is: L - Ala; L - Thr; L - Trp; L - azo Trp; L - Ser(OBzl); L - Asn; L - Lys; L - His; L - Lys(N- e- Ac); L - Gln; L-diaminopropionic(alloc) acid; L-diaminobutyric(alloc) acid; L-lys(alloc); L-orn(alloc); or L- Tyr; or



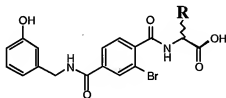
wherein R is: L - Ala; L - His; or L - Asn; or



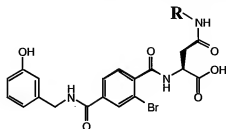
wherein R is: 1-amino-1-cyclopropane carboxylic acid; m-tyrosine; o-hydroxytyrosine; or L-iodotyrosine; or



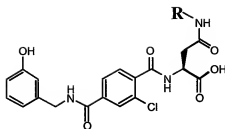
wherein R is: R group; L- Trp; L- Asn; L- dapa(alloc); or L- Lys; or



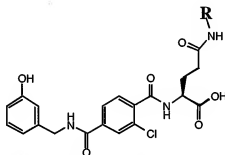
wherein R is: 3-methoxybenzyl bromide; 3-bromobenzyl bromide; 3, 5-dimethoxybenzyl bromide; 5-bromovaleronitrile; 6-bromohexanenitrile; 3-nitrobenzyl bromide; 3-cyanobenzyl bromide; 5-bromomethyl-furan-2-carboxylic acid ethyl ester; 5-bromomethyl-furan-2-carboxylic acid ethyl ester; or 3-bromomethyl benzamide; or



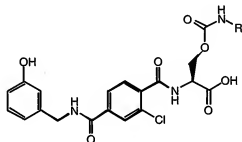
wherein R is: 1-aminonaphthalene; 2-cyanoaniline; 3-cyanoaniline; 2-fluoroaniline; 3-fluoroaniline; 4-fluoroaniline; or 3-methoxyaniline; or



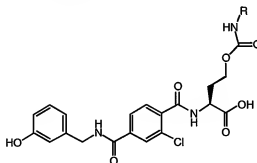
wherein R is: 2-(aminomethyl)pyridine; 3-fluorobenzylamine; benzylamine; allylamine; phenethyl amine; histamine; 4-fluorobenzylamine; 3-methoxyphenethylamine; 4-aminobenzylamine; 2-aminobenzylamine; 2-[1, 3]Dioxan-5-yl-ethylamine; piperonylamine; or aniline; or



wherein R is: isoamyl amine; 4-(aminomethyl)pyridine; 2-[1, 3]Dioxan-5-yl-ethylamine; or aniline; or

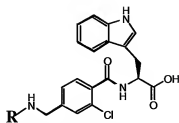


wherein R is: o- toluidine; allyl amine; or propyl amine; r

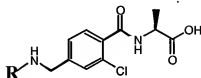


wherein R is: propylamine; 3-(aminomethyl)pyridine; 4-(aminomethyl)pyridine; 2- methylbenzylamine; 3- methylbenzylamine; 4- methylbenzylamine; (S)-(-)-a-methylbenzylamine; 2-(aminomethyl)pyridine; 2- fluoro benzylamine; 3- fluoro benzylamine; 4- fluoro benzylamine; 3- chloro benzylamine; 4- chloro benzylamine; 4-methoxy benzylamine; 1- naphthalenemethylamine; or benzylamine.

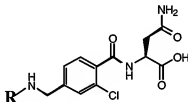
14) (previously presented) The compound according to claim 1 which is:



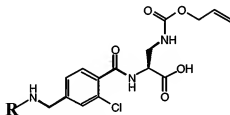
wherein R is: 3- hydroxy benzoic acid; 2- hydroxy cinnamic acid; or 3- hydroxy benzoic acid; or



wherein R is: 3- hydroxy benzoic acid; 2- hydroxy cinnamic acid; 3- chloro benzoic acid; indole 5- carboxylic acid; or 3- (2- thienyl)acrylic acid; or

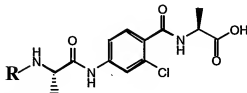


wherein R is: 3- chlorobenzoic acid; 3- (2- thienyl)acrylic acid; 2- furanacrylic acid; 3- hydroxy benzoic acid; indole 5- carboxylic acid; benzofuran 5- carboxylic acid; benzofuran 4- carboxylic acid; or indole 6- carboxylic acid; or

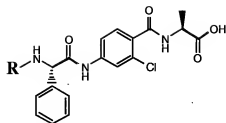


wherein R is: 3-(2-thienyl)-acrylic acid; or furylacrylic acid.

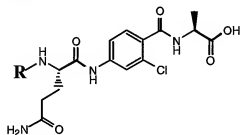
15) (previously presented) The compound according to claim 1 which is:



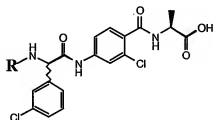
wherein R is: 2-thiophene carboxylic acid; or 3-hydroxybenzoic acid; or



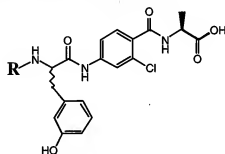
wherein R is: 3-hydroxybenzoic acid; or 2-thiophene carboxylic acid; or



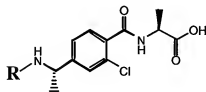
wherein R is: benzoic acid; or 2-thiophene carboxylic acid; or



wherein R is: 3-hydroxybenzoic acid; or 2-thiophene carboxylic acid; or

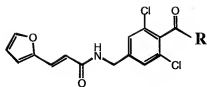


wherein R is: 3-hydroxybenzoic acid; or 2-thiophene carboxylic acid; or

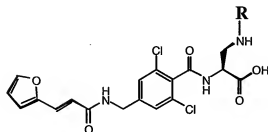


wherein R is: 3-hydroxybenzoic acid; or 3-(2-thienyl)-acrylic acid.

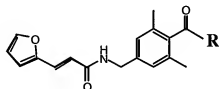
16) (previously presented) The compound according to claim 1 which is:



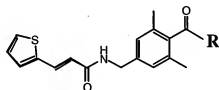
wherein R is: L- Ala; L- Asn; or L- diaminopropionic acid (alloc); or



wherein R is: thiophene 2- carboxylic acid; 2- furoic acid; 2- pyrazinecarboxylic acid; 3- methyl thiophene 2- carboxylic acid; 3- methyl 2- furoic acid; or 3- chloro thiophene 2- carboxylic acid; or

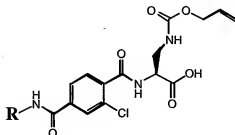


wherein R is: L- diaminopropionic acid (alloc); or L- Lys; or

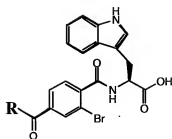


wherein R is: L- diaminopropionic acid (alloc); or L- Lys.

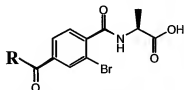
17) (previously presented) The compound according to claim 1 which is:



wherein R is: 6- aminomethyl benzofuran; or 4- aminomethyl benzofuran; or

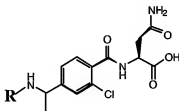


wherein R is: 3- hydroxy benzylamine; or 3-(3-hydroxyphenyl)propargylamine; or

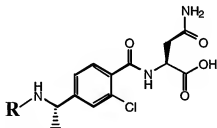


wherein R is: 3- fluoro benzylamine; benzylamine; or 3-(3-hydroxyphenyl)propargylamine.

18) (previously presented) The compound according to claim 1 which is:



wherein R is: 3 - hydroxybenzoic acid; or benzoic acid; or



wherein R is: furylacrylic acid; 3-(2-thienyl)-acrylic acid; 3 - hydroxybenzoic acid; or benzoic acid.